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Notice of Allowability Examin r LAM T MAI 2819 - The MAILING DATE f this communication appears on the cover sheet with the corespondence address— All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-95) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. ☑ This communication is responsive to 4/23/04. 2. ☑ The allowed claim(s) is/are 1.34. 3. ☑ The drawings filed on 15 .luty 2003 are accepted by the Examiner. 4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No. ☐ Society of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). **Certified copies not freedward: ☐ ANDIA Communication to file a repty complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE MONTHER FROM THE "MAILING DATE" of this communication to file a repty complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE MONTHER FROM THE "MAILING DATE" of this communication to file a repty complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. Control of Control of Society and the ABANDONMENT of this application. THIS THREE MONTHER FROM THE "MAILING DATE" of this communication to file a repty complying with the requirements noted below. Failure to timely comply wil		10/620,580	BIDERMANN ET AL.
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	Paper No./Mail Date 7/15/03	08), 7. Examiner's Amend	ment/Comment

DETAILED ACTION

Response to Amendments

Applicant's terminal Disclaimer filed on 4/23/04 has been considered, approved and entered. As a result, the instant application is in allowance condition.

Specification

The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Allowable Subject Matter

Claims 1-34 are allowable.

The following is an examiner's statement of reasons for allowance: Claims 1-34 are allowed over the prior art of record. The prior art fail to teach or suggest an apparatus and method for an analog to digital converter that that a comparator comprising a multiplexor coupled to a plurality of differential pairs, each differential pair coupled to a respective one of said plurality of analog input signals, and the multiplexor selecting one of said plurality of differential pairs based on said plurality of input select signals; and a latch having a first input terminal coupled to receive an output signal said comparator, the latch having a data input terminal coupled to receive a series of binary signals, an output signal said comparator controlling when said latch provides an output signal corresponding to a binary signal applied to said data input terminal, wherein said comparator compares said first signal with a selected one of the plurality of analog input

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signals to generate the output signal, and the latch provides one or more bits of an N-bit digital code representing said selected one of said plurality of analog input signals.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

-___Cited References

The prior art made of record and not replied upon is considered pertinent to application's disclosure. The cited references relate to symmetrical analog to digital converter.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LAM T MAI whose telephone number is (571)272-1807. The examiner can normally be reached on 6:00 am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mike Tokar can be reached on (571) 272-1812. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lam T. Mai Art Unit 2819

> Michael Tokar Supervisory Patent Examiner

Technology Center 2800